

ATTORNEY DOCKET NO.
004578.1147

PATENT APPLICATION
10/028,009

2821
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08-12-03



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re Application of: Paul E. DOUCETTE, et al.

Serial No.: 10/028,009

Filing Date: December 21, 2001

Group No.: 2821

Examiner: Unknown

Title: METHOD AND APPARATUS FOR PROCESSING
SIGNALS IN AN ARRAY ANTENNA SYSTEM

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Name Judy Baggett
Date: 7/23/03

FIFTH INFORMATION DISCLOSURE STATEMENT

Pursuant to the provisions of 37 CFR §§1.56, 1.97 and 1.98, Applicants are enclosing copies of two documents which may be material to examination of the present application. These two documents are each listed on enclosed Form PTO-1449, and were recently cited in an Office Action issued in copending U.S. Serial No. 09/478,035 filed January 5, 2000 (Attorney Reference 004578.0985, 99E080).

This Information Disclosure Statement is being submitted prior to issuance of a first Office Action in the present application. Accordingly, it is believed that no fee is due in association with the filing of this IDS.

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Favorable consideration of the present application
is respectfully requested.

Respectfully submitted,
BAKER BOTTS L.L.P.
Attorneys for Applicants



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Date: July 23, 2003

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Enclosures: Form PTO-1449, and one copy
of each listed document
Post Card

PTO-1449 Information Disclosure Citation In an Application		Application No. 10/028,009	Applicant(s) Paul E. Doucette, et al.	
		Docket Number 004578.1147	Group Art Unit 2821	Filing Date December 21, 2001



JUL 25 2003

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A	5,475,392	12/12/95	Newberg, et al.			
B						
C						
D						
E						
F						
G						
H						
I						
J						
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
M						--	
N						--	
O						--	
P							
Q							

DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)

R	Guirong, et al. "Mixer-free All Digital Quadrature Demodulation", IEEE Proceedings of the Fourth International Conference on Signal Processing (ICSP) , October 12, 1998, Vol. 2, pages 1704-1707 and an index sheet.
S	
T	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE